NETGEAR® PROSECURE®

ProSecure® Unified Threat Management Firewall Data Sheet
UTM9S with Wireless-N and VDSL/ADSL2+ Options

Unified Gateway Security for Smart IT Networks – Without Compromise

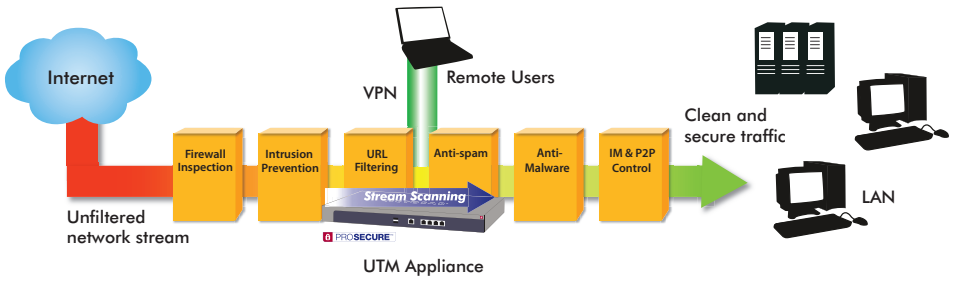
The ProSecure UTM series of all-in-one gateway security firewalls combine best-of-breed enterprise-strength security technologies from Commtouch®, Mailshell™, and Sophos™ with patented* Stream Scanning Technology to protect businesses against today's Web, email, and network threats. Malware hosted on Web pages, phishing attacks, spam, virus infected emails, hackers, denial-of-service attacks, and other threats are now all part of a regular repertoire of sophisticated blended attacks that bypass traditional non-UTM firewalls with ease. Because comprehensive network security solutions require an abundance of processing power to examine network traffic in real time, existing all-in-one security solutions often use rudimentary security technologies that trade comprehensiveness for speed. True security must satisfy the requirements in both speed and coverage.

ProSecure UTM Features and Highlights

- **Best-of-breed Anti-malware Engine**
  - Enterprise-class malware scan engine
  - Up to 400 times the coverage of legacy all-in-one solutions
  - Over 1 million malware signatures
  - Hourly automatic signature updates
  - Zero hour heuristic based threat protection
- **ProSecure Patented* Stream Scanning Technology**
  - Data streams are processed as they enter the network
  - Low latency Web traffic scanning
- **Distributed Spam Analysis Anti-spam Technology**
  - Hybrid in-the-cloud architecture
  - Gathers threat data from over 50 million global sources
  - New spam is classified and detected within minutes
  - No learning period, works right out of the box
- **Distributed Web Analysis URL Filtering**
  - Hybrid in-the-cloud architecture
  - Hundreds of millions of categorized URLs
  - Real-time classification, 64 categories
  - Per User & Group filtering policies
- **Virtually Limitless Logging, Reporting and Quarantine Capability**
  - Integrates with NETGEAR ReadyNAS models with UTM plugin
  - Automatically store logs on ReadyNAS NAS
  - Up to 24+ TB of log storage space for reports
  - Conduct security forensics and reporting years in arrears

All-in-one Network Security - Redefined

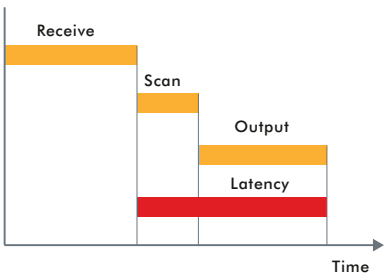
ProSecure Unified Threat Management (UTM) firewalls combine performance with comprehensive security coverage. Patented Stream Scanning Technology enables the ProSecure UTM to utilize virus and malware threat databases from ProSecure and Sophos™ that are over one million signatures in size - up to 400x more comprehensive than legacy all-in-one platforms at a speed that is up to 5x faster than conventional methods. This architecture, combined with best-of-breed hybrid in-the-cloud Web filter and anti-spam technologies along with proven firewall, IPS, and VPN functionality, form the ideal growing business gateway security solution.



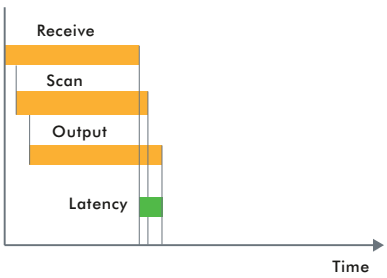
Revolutionary Stream Scanning Platform

Given the high performance requirements of scanning latency sensitive Web traffic, incorporating enterprise-grade security software technologies onto traditional all-in-one platforms has been a very difficult task. Traditional batch-based scanning methods introduce large amounts of latency into network traffic and can slow Web browsing to a crawl. All-in-one solutions in the past have tried to overcome this by minimizing the malware signature set, scanning only a select few file types, or by avoiding Web scanning altogether. This exposes an entire vector of the network to malware-based attacks. The ProSecure UTM features patented Stream Scanning Technology which analyses data streams as they enter the network. This significantly reduces latency and allows the use of an extensive malware signature library for scanning – thus offering an unprecedented combination of speed and coverage in an all-in-one solution.

Traditional Batch-based Scanning



Stream Scanning



VPNC CERTIFIED Basic Interop AES Interop

ICSA labs CERTIFIED ANTI-VIRUS

SC MAGAZINE RECOMMENDED ★★★★★ UTM25

SC MAGAZINE RECOMMENDED ★★★★★ UTM150

mailshell™ SOPHOS

- **IM and P2P Application Control**
  - Blocks access to public IM clients
  - Blocks peer-to-peer (P2P) clients
  - Preserve productivity and save bandwidth
- **SSL & IPsec VPN Remote Access**
  - SSL VPN - clientless remote access, anywhere, anytime
  - IPsec VPN - secure site-to-site tunnels and client-based remote access
  - Purchase additional licenses for IPsec VPN
- **Built-in SPI Firewall**
  - Dual/Quad WAN Gigabit Firewall** provides load balancing and failover
  - Gigabit LAN ports, configurable hardware DMZ port
  - Stateful packet inspection (SPI)
  - Denial-of-service (DoS) protection
  - IPS prevents hackers from penetrating the network perimeter

Simple Setup, Ease of Management

The ProSecure UTM will easily replace any existing firewall or router. A simple 10-step setup wizard guides you through installation and the UTM will be up and running in minutes. Administration is performed through an intuitive Web-based interface. Set granular policies and alerts, check summary statistics and graphical reports, drill down to IP address-level data, and integrate log data with standard network management tools using SNMP. Malware and IPS signature, software, and firmware updates are all handled by the UTM - online and automatically.

For many administrators and IT personnel one of their biggest nightmares is the management of individual licenses or "seats." Buying additional licenses when computers and personnel are added to the network is time-consuming and costly. The ProSecure UTM offers Web and email protection subscriptions **with no "per-user" licensing.**

Expandability

The ProSecure UTM9S has two modular slots that allow for optional interface cards to be added to tailor the appliance for specific installation requirements.

A VDSL/ADSL2+ Modem Module, available in both Annex A and Annex B versions, furnishes direct, always-on Internet connectivity. VDSL capability provides Internet connection speeds up to three times faster than traditional ADSL2+ DSL networks while providing backwards compatibility with ADSL2+.

In conjunction with two onboard RJ45 WAN ports for redundancy and failover, the VDSL/ADSL 2+ Modem Module, if installed, can be employed either as the primary WAN connection or as a third WAN port in a redundant/ oad balancing scenario.

A Wireless-N Module provides access point capability to connect Wireless-N clients at both 2.4 GHz and 5.0 GHz frequencies at up to 15x the speed and 10x the coverage of legacy 802.11g networks.

Backwards compatibility with 802.11a, 802.11g, and 802.11b network devices allows for flexible deployment scenarios.

UTM SERIES COMPARISON

MODEL	UTM5**	UTM9S	UTM10**	UTM25**	UTM50**	UTM150**
PERFORMANCE						
Average Anti-virus Throughput[1]	15 Mbps	21 Mbps	25 Mbps	32 Mbps	45 Mbps	131 Mbps
Stateful Packet Inspection Firewall Throughput[1]	130 Mbps	130 Mbps	160 Mbps	250 Mbps	400 Mbps	900 Mbps
Maximum VPN Throughput[1]	50 Mbps	50 Mbps	80 Mbps	100 Mbps	200 Mbps	550 Mbps
Maximum Concurrent Connections[1]	8,000	16,000	16,000	30,000	40,000	65,000
VLANs	255	255	255	255	255	255
CONTENT SECURITY						
Web and Email Scanned Protocols	HTTP, HTTPS, FTP, SMTP, IMAP, POP3					
Stream Scanning	●	●	●	●	●	●
Inbound and Outbound Inspection	●	●	●	●	●	●
Signature-Less Zero Hour Protection	●	●	●	●	●	●
Malware Signatures	1.2 Million	1.2 Million	1.2 Million	1.2 Million	1.2 Million	1.2 Million
Automatic Signature Updates	Hourly	Hourly	Hourly	Hourly	Hourly	Hourly
Web Content Filters	Filter By: HTML Body Keywords, File Extension					
Web Object Filters	ActiveX, Java™, Flash, JavaScript™, Proxy, Cookies					
Email Content Filters	Filter By: Subject Keywords, Password-protected Attachments, File Extension, File Name					
Distributed Spam Analysis	●	●	●	●	●	●
Distributed Spam Analysis Supported Protocols	SMTP, POP3					
Anti-spam Real-time Blacklist (RBL)	●	●	●	●	●	●
User-defined Spam Allowed/Block Lists	Filter By: Sender Email Address, Domain, IP Address, Recipient Email Address, Domain					
Distributed Web Analysis w/64 categories	●	●	●	●	●	●
Instant Messaging (IM) Control	MSN® Messenger, Yahoo!® Messenger, mIRC, Google Talk					
Peer to Peer (P2P) Control	BitTorrent™, eDonkey, Gnutella					
Maximum Number of Users	Unlimited					

MODEL	UTM5**	UTM9S	UTM10**	UTM25**	UTM50**	UTM150**
FIREWALL FEATURES						
Stateful Packet Inspection (SPI)	Port/Service Blocking, Denial-of-service (DoS) Prevention, Stealth Mode, Block TCP Flood, Block UDP Flood, WAN/LAN Ping Response Control					
Intrusion Detection & Prevention (IPS)	●	●	●	●	●	●
WAN Modes	NAT, Classical Routing					
ISP Address Assignment	DHCP, Static IP Assignment, PPPoE, PPTP					
NAT Modes	1-1 NAT, PAT					
Routing	Static, Dynamic, RIPv1, RIPv2					
VoIP	SIP ALG					
DDNS	DynDNS.org, TZO.com, Oray.net					
Firewall Functions	Port Range Forwarding, Port Triggering, DNS proxy, MAC Address Cloning/spoofing, Network Time Protocol NTP Support, Diagnostic Tools (ping, DNS lookup, trace route, other), Auto-Uplink on Switch Ports, L3 Quality of Service (QoS) ,LAN-to-WAN and WAN-to-LAN (ToS)					
DHCP	DHCP Server, DHCP Relay					
User Authentication for VPN	Active Directory, LDAP, Radius, Local User Database					
Security Policies Based on Active Directory with Single Sign-On (SSO)	●	●	●	●	●	●
PCI Compliance Two Factor Authentication Support	●	●	●	●	●	●
VPN						
Site to Site VPN Tunnels	5	10	10	25	50	150
Simultaneous SSL VPN Tunnels	2	5	5	13	25	75
IPsec Encrypton/Authentication	DES, 3DES, AES(128,192,256 bit)/SHA-1, MD5					
Key Exchange	IKE, Manual Key, Pre-Shared Key, PKI, X.500					
IPsec NAT Traversal (VPN Passthrough)	●	●	●	●	●	●
iPhone Native VPN Client Support	●	●	●	●	●	●
Included ProSafe VPN Client Lite Licenses	0	0	1	1	3	3
SSL Version Support	SSLv3, TLS1.0					
SSL Encryption Support	DES, 3DES, ARC4, AES(128,256 bit)					
SSL Message Integrity	MD5, SHA-1, MAC-MD5/SHA-1, HMAC-MD5/SHA-1					
SSL Certificate Support	RSA, Diffie-Hellman, Self					
SSL VPN Platforms Supported	Windows 2000 / XP / Vista® (32bit), Windows 7 (32 and 64bit), Mac OS® X 10.4.x/10.6.x					
DEPLOYMENT						
VLAN Support	●	●	●	●	●	●
Multi-WAN Failover		●	●	●	●	●
Intelligent Traffic Load Balancing		●	●	●	●	●
Configuration Wizards	Setup, IPsec VPN, SSL VPN					
LOGGING AND REPORTING						
Management	HTTP/HTTPS, SNMP v2c					
Reporting	Summary Statistics, Graphical Reporting, Automatic Outbreak Alerts, Automatic Malware Notifications, System Notifications					
Logging	Traffic, Malware, Spam, Content Filter, Email Filter, System, Service, IPS, Port Scan, IM, P2P, Firewall, IPsec VPN, SSL VPN					
Log Delivery	Management GUI Query, Email Delivery, Syslog					
HARDWARE						
Gigabit RJ45 Ports WAN/LAN	1/4	2/4	1/4	2/4	2/6	4/4
DMZ Interfaces (Configurable)	1	1	1	1	1	1
Flash Memory/RAM	2 GB/512 MB	2 GB/512 MB	2 GB/512 MB	2 GB/1 GB	2 GB/1 GB	2 GB/1 GB
USB Ports	1	1	1	1	1	1
Certifications	ICSA: Anti-virus VPNC: AES Interop, Basic Interop Checkmark: Anti-Malware, Anti-Spam, Enterprise Firewall, VPN, IPS, URL Filtering					

MODEL	UTM5**	UTM9S	UTM10**	UTM25**	UTM50**	UTM150**
Major Regulatory Compliance	FCC Part 15 Class A, CE mark commercial, VCCI, C-Tick Class A, CE/LVD, cUL, RoHS, China RoHS					
Storage and Operating Temperatures	Operating Temperature 0°-45° C (32°-113° F), Storage Temperature -20°-70° C (-4°-158° F)					
Humidity	Operation 90% Maximum Relative, Storage 95% Maximum Relative					
Power Input Rating	100-240V, AC/50-60Hz, Universal Input, 1.2 Amp Max			100-240V, AC/50-60Hz, Universal Input, 1.0 Amp Max		
Dimensions (W x H x D) cm	33 x 4.3 x 20.9	33 x 4.3 x 28.6	33 x 4.3 x 20.9	33 x 4.3 x 20.9	44 x 4.3 x 25.3	44 x 4.3 x 25.3
Dimensions (W x H x D) in	13 x 1.7 x 8.2	13 x 1.7 x 11.25	13 x 1.7 x 8.2	13 x 1.7 x 8.2	17.3 x 1.7 x 9.96	17.3 x 1.7 x 9.96
Weight kg/lb	2.1/ 4.6	2.56/5.65	2.1/ 4.6	2.1/ 4.6	2.9/6.4	2.9/6.4
Package Contents	ProSecure UTM Appliance , Power Cable, Rubber Feet, Resource CD, Rackmount Kit, Warranty Card, Quick Installation Guide, Subscription Card (Bundles Only)					
Hardware Warranty	Lifetime					

MODEL	UTM9S
UTM9S Wireless-N Module Specifications	• IEEE® 802.11n, 2.4 GHz and 5.0 GHz, dual band • IEEE 802.11a 5.0 GHz • IEEE 802.11g, IEEE 802.11b, 2.4GHz • WiFi Protected Access® (WPA, WPA2) • Wired Equivalent Privacy (WEP) 64, 128, & 256 bit • IEEE 802.1x RADIUS authentication with EAP TLS, TTLS, PEAP • Detachable antennas • Ordering Part Number: UTM9SWLSN-10000S
UTM9S VDSL/ADSL2+ Module Specifications (Annex A)	• Annex A/Annex M Support • ADSL/ADSL2+ over ISDN (ITU G.992.1 Annex B, ISDN - compatible to U-R2 connection of Deutsche Telekom, G.Lite (ITU G.922.2) • VDSL2 support • ADSL 2/ADSL 2+ ADSL over ISDN (ITU G.992.3, ITU Annex G.992.5 Annex A) • ATM Support of layer 1 protocol AAL5, PVCs, RFC 1483 • ATM Support of ATM traffic management (COS - CBR, VBR, UBR) • Ordering Part Number: UTM9SDSLA-10000S
UTM9S VDSL/ADSL2+ Module Specifications (Annex B)	• Annex B/Annex M Support • ADSL/ADSL2+ over ISDN (ITU G.992.1 Annex B, ISDN - compatible to U-R2 connection of Deutsche Telekom, G.Lite (ITU G.922.2) • VDSL2 support • ADSL 2/ADSL 2+ ADSL over ISDN (ITU G.992.3, ITU Annex G.992.1 Annex B) • ATM Support of layer 1 protocol AAL5, PVCs, RFC 1483 • ATM Support of ATM traffic management (COS - CBR, VBR, UBR) • Ordering Part Number: UTM9SDSLB-10000S

ORDERING INFORMATION

Hardware (Firewall and VPN Functionality Only)

North America	Europe	Asia
UTM9S-100NAS	UTM9S-100EUS	UTM9S-100AJS

1-Year Bundle
(Hardware including 1-year Web, 1-year Email, and 1-year Software Maintenance and Upgrades, 24/7 Support, and Advanced Replacement)

North America	Europe	Asia
UTM9SEW-100NAS	UTM9SEW-100EUS	UTM9SEW-100AJS

3-Year Bundle
(Hardware including 3-year Web, 3-year Email, and 3-year Software Maintenance and Upgrades, 24/7 Support, and Advanced Replacement)

North America	Europe	Asia
UTM9SEW3-100NAS	UTM9SEW3-100EUS	UTM9SEW3-100AJS

Optional Hardware Modules (not included with bundles)

UTM9SWLSN-10000S	Wireless-N Module
UTM9SDSLA-10000S	VDSL/ADSL2+ Module (Annex A)
UTM9SDSLB-10000S	VDSL/ADSL2+ Module (Annex B)

1-Year Subscriptions

Web Threat Management	Email Threat Management	Software Maintenance and Upgrades, 24/7 Support, Advanced Replacement	Subscription Bundle (Web + Email + Support & Maintenance)
UTM9SW-10000S	UTM9SE-10000S	UTM9SM-10000S	UTM9SB-10000S

3-Year Subscriptions

Web Threat Management	Email Threat Management	Software Maintenance and Upgrades, 24/7 Support, Advanced Replacement	Subscription Bundle (Web + Email + Support & Maintenance)
UTM9SW3-10000S	UTM9SE3-10000S	UTM9SM3-10000S	UTM9SB3-10000S

*U.S. Patent No. 7,971,254

**Available with firmware version 2.0.

[1]Throughput measured in a lab environment. Actual performance may vary depending on network conditions and activated services.

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This product comes with a limited warranty, the acceptance of which is a condition of sale.